

NASA Life Sciences Data Archive

Investigator name: Kenneth Souza

Mission (Payload): STS-47 (SL-J)

Experiment title (ID): Effect of Weightlessness on Development of Amphibian Eggs (178256)

File name/Inventory ID: SL-J HCG/Sperm Kit Ambient Temperature Recorder Read-outs

**FLIGHT AMBIENT TEMPERATURE RECORDER (S/N 38) DATA
CORRELATED WITH FLIGHT ACTIVITIES FOR THE HCG/SPERM
KIT**

ACTIVITY	ATR TIMELINE	MET
		FLIGHT TIMELINE
1. Cold Spike Equivalent	9/11/92 14:30 Hrs.	
2. To Incubator @ 4°C	9/11/92 15:30~Hrs.	
3. Turnover: Chest	9/11/92 17:30~Hrs.	
4. Launch	9/12/92 10:23 Hrs.	
5. Kit Transfer to SLR/F	00/01:42	00/05:42
6. HCG Injection: GPWS	01/14:19	00/18:19
7. Remove Sperm From	02/07:15	01/11:15
8. Concern over SLR/F Powered "OFF" without waiting the required 40 min. for freon purge.	02/12:28	01/16:28
9. Flasks Placed into Kit	03/16:14	02/20:04
10. Video Flasks	05/03:10	04/07:10
11. SLR/F Activated to Freeze Mode (see attached)	07/13:13	06/17:30
12. Removed From SLR/F	07/15:12	06/19:12
13. Moved to R/IM	08/10:30	07/14:30
14. Touchdown	08/18:31	07/22:31
15. Pstflt. Cold Spike	09/03:00	
16. End Preentry Fix. and Stowing ECUs in Kit (ECUs at 21°C kit/ambient from GPWS	08/05:45	07/09:45

How to get HCG/Sperm Kit ATR and Flight Timelines: ATR Cold Spike occurred at 2:30pm, 9/11/92. Therefore, MET 00/00:00 occurred approximately 20 hours 00 minutes after the cold spike. The graphs began at the time of the ATR cold spike, so it was necessary to show the ATR timeline and how this correlated with the flight timeline (20:00 Hrs. later).







